

List of talks

The papers indicated with a * are included in this volume.

- ALBRECHT, J., New methods for calculating bounds to eigenvalues.
- * AMINI, S., An iterative method for the boundary element solution of the exterior acoustic problem.
- BERRUT, J.-P., Rational functions for guaranteed and well conditioned global interpolation.
- * BLANC, J.P.C., On a numerical method for calculating state probabilities for queueing systems with more than one waiting line.
- BOURLARD, M., NICAISE, S. and PAQUET, L., A refined B.E.M. method for the Dirichlet problem in polygonal domains.
- BOUTROS, Y.Z., ABD-EL-MALEK, M.B. and MASOUD, S.Z., Hilbert's method for numerical solution for gravity flow over a very high vertical weir.
- * CASTILLO, J.E., STEINBERG, S. and ROACHE, P.J., Mathematical aspects of variational grid generation.
- CHANG, C.C. and HUNG, M.F., Symbolic solutions for linear difference equations.
- CHERN, M.-S. and CHERN, R.-J., Distribution function of the optimum of pure nonlinear integer programming with randomly distributed right-hand sides.
- CLARYSSE, T., Numerical stability of a special class of nonlinear multi-step methods.
- * COLEMAN, J.P., Complex polynomial approximation by the Lanczos τ -method: Dawson's integral.
- * COOLS, R. and HAEGEMANS, A., Automatic computation of knots and weights of cubature formulae for circularly symmetric planar regions.
- CUYT, A., Theory and applications of multivariate rational interpolants.
- * D'ALMEIDA, F.D. and RODRIGUES, M.J., Is the iterative refinement of eigenelements an expensive technique?
- DANLOY, B., Improved strategies of shift in the QL algorithm for symmetric matrices.
- DARGAHI-NOUBARY, G.R., Identification of seismic events using zero-crossings.
- * DA SILVA, M.R., Numerical treatment of differential equations with the τ -method.
- DE DONCKER, E. and KAPENGA, J.A., On a class of parallel adaptive algorithms.
- * DE GROEN, P., The fit of a sum of exponentials to noisy data.
- * DEVILLE, M.O., MUND, E.H. and PATERA, A.T., Iterative solution of isoparametric spectral element equations by low-order finite element pre-conditioning.
- * DICK, E., Elliptic solution techniques for Euler and Navier–Stokes equations in steady flow.
- ELLACOTT, S.W. and SAFF, E.B., On Clenshaw's method for Chebyshev series: transformation to the unit circle and a generalisation to Faber series.
- ESPELID, T.O., On the construction of good fully symmetric integration rules.
- * FACK, V., VAN DEN BERGHE, G. and DE MEYER, H.E., Some finite difference methods for computing eigenvalues and eigenvectors of special two-point boundary value problems.
- * FISHMAN, L., Phase space methods and path integration: the analysis and computation of scalar wave equations.

- * FORD, J.A. and SAADALLAH, A.F., A new approach to quasi-Newton methods.
- FREEDEN, W., Basic mathematical aspects of solving boundary value problems of potential theory by harmonic splines.
- GERTSBAKH, I., The shortest queue problem: a numerical study based on the matrix-geometric solution.
- GOOVAERTS, M.J. and GROSJEAN, C.C., On the analytical evaluation of Gaussian path-integrals.
- GOVAERTS, W., Vectorial error calculation for Gaussian elimination.
- GRAGG, W.B., The unitary eigenvalue problem.
- * GREGŮS, M., Jr., LOBANOV, Y.Y., SIDOROVA, O.V. and ZHIDKOV, E.P., On the deterministic computation of functional integrals in application to quantum mechanical problems.
- GROSJEAN, C.C. and DE MEYER, H.E., Cantor-type series expansions and related infinite continued fraction developments of a quadratic irrational function.
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- * HAKE, J.-F., Some remarks on the numerical solution of PDE problems with standard software packages.
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- * HUNDSORFER, W.H., Monotonicity of a simple Rosenbrock scheme.
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 - * NAKAO, M.T., Superconvergence of the gradient of Galerkin approximations for elliptic problems.
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 - * TEN THIJE BOONKKAMP, J.H.M., The odd-even hopscotch pressure correction scheme as time-integrator for the incompressible Navier–Stokes equations.
 - VAN WYK, D.J., Solving input optimization problems via homotopy techniques.
 - VERDONK, B., Modified Thiele-type branches continued fractions and Thiele continued fraction expansions for multivariate functions.

- * WAADELAND, H., Linear approximations to continued fractions $K(z_n/1)$.
- WANG, R.H., HE, T.X., LIU, X.Y. and WANG, S.C., An integral method for constructing bivariate spline functions.
- WU, L.C., MOORE, M.I. and EDWARDS, H.K., Utilization of a mixed integer mathematical model for strategic planning.